

### ***Remarks***

By entry of the foregoing amendment, the specification has been amended to direct the entry of this sequence listing after the claims of the above identified application and to provide the SEQ ID NO's next to the specific sequence or designation of the specific sequence (see, for example, page 11).

In accordance with 37 C.F.R. § 1.821(g), this submission includes no new matter.

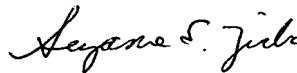
In accordance with 37 C.F.R. § 1.821(f), the paper copy of the Sequence Listing and the computer readable copy of the Sequence Listing submitted herewith in the above application are the same. No new matter has been added by the amendment and entry and consideration of the same is respectfully requested.

### ***Conclusion***

It is respectfully believed that the present application is in condition for examination. Early notice to this effect is earnestly solicited. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Respectfully submitted,

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SKGF Rev. 2/13/01

**Version with markings to show changes made**

A paragraph at page 11, lines 11-12, has been deleted and a paragraph substituted therefore as follows:

Figure 19. Comparison of the aspartokinase (*ask*) amino acid sequence from ATCC13032 (SEQ ID NO: 35), N13 (SEQ ID NO: 36) and ATCC21529 (SEQ ID NO: 2). The consensus sequence (SEQ ID NO: 37) is also shown.

A line has been deleted at page 47, line 12, and a line substituted therefore as follows:

*ask*: 5'-GGGTACCTCGCGAAGTAGCACCTGTCAC-3' (SEQ ID NO: 22);

A line has been deleted at page 47, line 13, and a line substituted therefore as follows:

*asd*: 5'-GCGGATCCCCCATCGCCCCTCAAAGA-3' (SEQ ID NO: 23);

A line has been deleted at page 47, line 14, and a line substituted therefore as follows:

*dapB*: 5'-AACGGGCGGTGAAGGGCAACT-3' (SEQ ID NO: 24);

A line has been deleted at page 47, line 15, and a line substituted therefore as follows:

*dapA*: 5'-TGAAAGACAGGGGTATCCAGA-3' (SEQ ID NO: 25);

A line has been deleted at page 47, line 16, and a line substituted therefore as follows:

*ddh*: 5'-CCATGGTACCAAGTGCGTGGCGAG-3' (SEQ ID NO: 26);

A line has been deleted at page 47, line 17, and a line substituted therefore as follows:

5'-CCATGGTACCACACTGTTTCCTTGC-3' (SEQ ID NO: 27);

A line has been deleted at page 47, line 18, and a line substituted therefore as follows:

*argS*: 5'-CTGGTTCCGGCGAGTGGAGCCGACCATTCGCGAGG-3' (SEQ ID NO: 28); and

A line has been deleted at page 47, line 19, and a line substituted therefore as follows:

*lysA*: 5'-CTCGCTCCGGCGAGGTCGGAGGCAACTTCTGCGACG-3' (SEQ ID NO: 29), a

A line has been deleted at page 57, line 20, and a line substituted therefore as follows:

*ask*: 5'-GGGTACCTCGCGAAGTAGCACCTGTCAC-3' (SEQ ID NO: 22)

A line has been deleted at page 57, line 21, and a line substituted therefore as follows:

*asd*: 5'-GCGGATCCCCCATCGCCCCTCAAAGA-3' (SEQ ID NO: 23)

A line has been deleted at page 57, line 22, and a line substituted therefore as follows:

*dapB*: 5'-AACGGGCGGTGAAGGGCAACT-3' (SEQ ID NO: 24)

A line has been deleted at page 57, line 23, and a line substituted therefore as follows:

*dapA*: 5'-TGAAAGACAGGGGTATCCAGA-3' (SEQ ID NO: 25)

A line has been deleted at page 57, line 24, and a line substituted therefore as follows:

*ddh1*: 5'-CCATGGTACCAAGTGCGTGGCGAG-3' (SEQ ID NO: 26)

A line has been deleted at page 57, line 25, and a line substituted therefore as follows:

*ddh2*: 5'-CCATGGTACCACACTGTTTCCTTGC-3' (SEQ ID NO: 27) Kpn I  
sites:GGTACC (SEQ ID NO: 30)

A line has been deleted at page 57, line 26, and a line substituted therefore as follows:

*argS*: 5'-CTGGTTCCGGCGAGTGGAGCCGACCATTCCGCGAGG-3' (SEQ ID NO: 28)

A line has been deleted at page 57, line 27, and a line substituted therefore as follows:

*lysA*: 5'-CTCGCTCCGGCGAGGTCGGAGGCAACTTCTGCGACG-3' (SEQ ID NO: 29)

A line has been deleted at page 58, line 3, and a line substituted therefore as follows:

UCdraI: 5'-GGATCTTCACCTAGATCC-3' (SEQ ID NO: 31)

A line has been deleted at page 58, line 4, and a line substituted therefore as follows:

UcsspI: 5'-CCCTGATAAATGCTTC-3' (SEQ ID NO: 32)

A line has been deleted at page 64, line 2 and a line substituted therefore as follows:

*lysA* (ATG): CCGGAGAAGATGTAACAATGGCTAC (SEQ ID NO: 33)

A line has been deleted at page 64, line 3, and a line substituted therefore as follows:

*LysA3B*: CCTCGACTGCAGACCCCTAGACACC (SEQ ID NO: 34)